

PETITE PINCH VALVES



- Full port design
- Simple actuation
- On-Off throttling
- Only 2 wetted parts
- Broad range of materials
- Tight shut-off, even on trapped solids

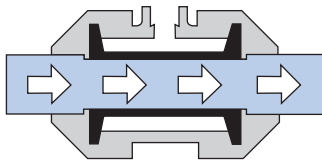


Often in slurry or dry powder systems, process is interrupted by gate, globe, plug or butterfly valves that have been clogged with material. There is a solution: EVR's Petite Pinch Valves.

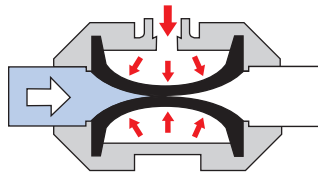
Designed for easy installation, EVR's Petite Pinch Valves can be used to effectively control viscous or abrasive material flow.

Typical Applications

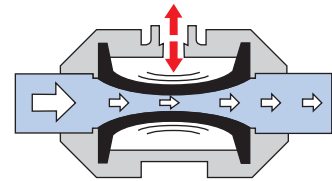
Mining - Petrochemicals - Pulp and Paper - Waste and Water Treatment - Food Processing - Paints, Inks and Resins - Pharmaceuticals



In operation, flow passes smoothly through the full port elastomer sleeve. Valve is in open position and normal flow of heavy slurries or dry powder material is maintained.



To close the valve, instrument or plant air is introduced into the valve body. The increased pressure collapses the sleeve and stops the flow, even against trapped solids.



To reopen the valve, the compressed air is vented and regular flow is restored. By changing the air pressure, flow rate can be controlled. Pulsing the air flow to the valve body can loosen packed material.

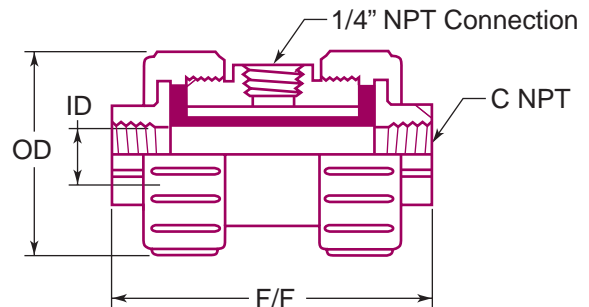
Type 'MP'



The type MP valve features an injection molded construction and is available in a range of engineered plastics.

This valve is suited for harsh applications and the economical design is ideal for incorporation into original equipment.

Size	ID	OD	F/F	C NPT	Work Pressure
03	1/2	2.70	4.10	1/2	60
04	3/4	2.84	4.52	3/4	60
05	1	3.20	4.60	1	60
07	1-1/2	3.99	6.24	1-1/2	50
08	2	4.25	8	2	50

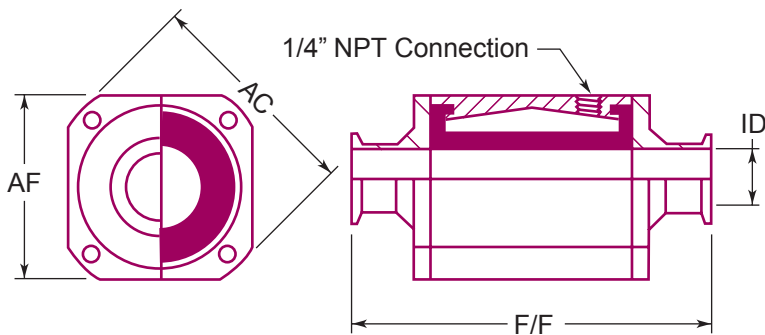


Control Inlet is 1/4" NPT Nickel-plated brass with Viton O-ring seal.



The Series QC features quick connect clamp fittings, which allow for rapid removal of the valve for maintenance. This valve is widely used as a food-grade valve due to its easy removal for frequent inspection and cleaning.

The body of the Series QC Petite Pinch Valve typically consists of stainless steel and aluminum, with highly polished finishes. The end connections are normally supplied as Triclamp fittings.



Size	ID	AC	AF	F/F	Work Pressure
03	1/2	2-1/2	2-1/8	5-1/2	60
04	3/4	2-3/4	2-1/4	6-1/2	60
05	1	3	2-1/2	7	60
07	1-1/2	4-1/2	3-3/4	8	50
08	2	5	4	10	50
09	3	6-1/4	5	12	25
10	4	8-1/2	7	14	25

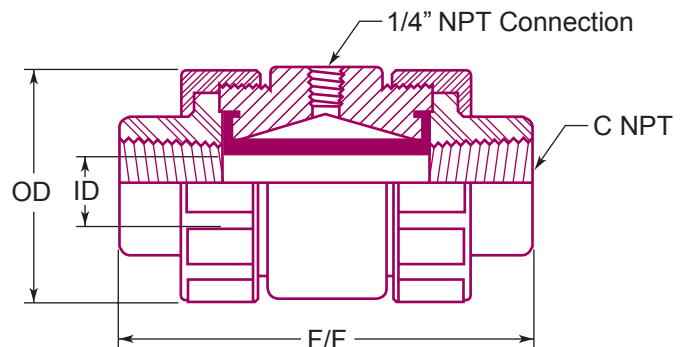
TYPE 'TU'



Series TU valves feature all plastic construction with double true union ends for simple and quick field service. When the union nuts are backed off, the valve may be removed for servicing without disturbing the adjacent piping.

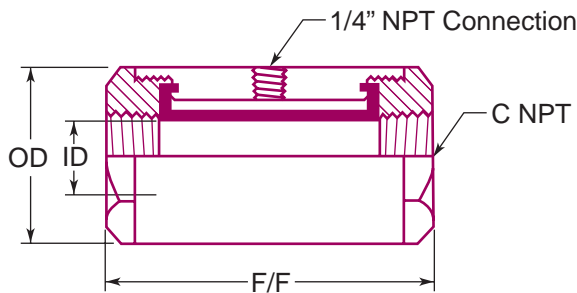
The Series TU valves are widely used in mineral processing, where the severe service requires frequent inspection and maintenance of equipment.

Size	ID	OD	F/F	C NPT	Work Press.
01	1/4	2-1/4	4	1/4	60
02	3/8	2-5/8	4-1/2	3/8	60
03	1/2	2-5/8	4-1/2	1/2	60
04	3/4	3	5-1/4	3/4	60
05	1	3-9/16	6-1/4	1	60
06	1-1/4	4-3/4	8-3/8	1-1/4	50
07	1-1/2	4-3/4	8-3/8	1-1/2	50
08	2	6	8-3/4	2	50
09	3	6-5/8	9-1/2	3	25



The Series SE valve features a machined steel body and end fittings with a corrosion resistant, electroplated finish. This valve is also available with stainless steel body.

Series SE Petite Pinch Valves are extremely durable and ideal for many different applications including mining, waste water treatment and industrial process control.



Size	ID	OD	F/F	C NPT	Work Press.
01	1/4	1-1/2	3	1/4	60
02	3/8	2-1/8	3-1/2	3/8	60
03	1/2	2-1/8	3-1/2	1/2	60
04	3/4	2-1/4	4	3/4	60
05	1	2-1/2	4-1/2	1	60
07	1-1/2	3-3/4	6-1/2	1-1/2	50
08	2	4	7	2	50
09	3	5	9	3	25

Please use the following guide when placing your Petite Pinch Valve order.

Example: TU - 04 - BBA - PGR

TYPE	SIZE	BODY MATERIAL	ELASTOMER
TU	01 - 1/4"	A - Nylon	CR - Neoprene
SE	02 - 3/8"	B - PVC	NBR - Buna N / Nitrile
MP	03 - 1/2"	C - Carbon Steel(SE only)	NR - Natural Rubber
QC	04 - 3/4"	K - PVDF	PGR - Pure Gum Rubber
	05 - 1"	L - Aluminum	CIIR - Chlorobutyl
	06 - 1-1/4"	P - Poly Propylene	CSM - Hypalon
	07 - 1-1/2"	S - Stainless Steel	EPDM - Ethylene Propylene Rubber
	08 - 2"	T - Teflon	FPM/FKM - Viton, Fluorel
	09 - 3"	X - Special Order	SI - Silicone
	10 - 4"	RS - Replacement sleeve only	EU - Urethane

*Not all valves are available in the above body materials. Please contact factory.

Operation of Petite Pinch Valves

To operate EVR Petite Pinch Valves, it takes 25 psi (+- 10 psi) of differential pressure to close the valve airtight. For example, if there is a flow of 15 psi running through the valve, expect to require a minimum of 40 psi on the control side to fully close the valve.

If possible, throttle the control air to give just enough pressure to operate the valve. The lower the pressure, the longer the sleeve will last.

Please note that different elastomers may require higher differential pressures.

WARRANTY

All EVR products are guaranteed for one full year against defects resulting from faulty workmanship or materials. If any such product is found to be defective by reason of faulty workmanship or materials, upon written notice and return of the product, the defective product will be replaced by us free of charge, including the shipping charges for the replacement product. Claims for labour costs and other expenses required to replace such defective product, or to repair damage resulting from the use thereof will not be allowed by us. Our liability is limited to the price paid for the defective product. EVR Products shall not be bound by any warranty other than the above set forth unless such warranty shall be in writing. This literature is published in good faith and is believed to be reliable, however, EVR Products does not represent and/or warrant in any manner the above information and suggestions contained in this brochure. Data presented is the result of laboratory tests and field experience.

Distributed by:

ELASTO VALVE RUBBER PRODUCTS INC.

1691 Pioneer Road, Sudbury,
Ontario Canada P3G 1B2
Tel. (705)523-2026 - Fax. (705)523-2033
Toll Free 1-800-461-6331 (N.A.)
Website: www.evrproducts.com
E-mail: sales@evrproducts.com

